

TCTGTTGCACCCTGGACCCAGACTCCTCAATCCACCCAGGGTGGTGTCTGTGG
GGAGGGGGTTCACTTCCCCAGGAAGCACAGCCACGCCGTCCCTCACTGGCCT
CGTCAAGCAGAGCTGTGTGTCCAGTGGCTTTTGCTGGGGCCCCCTCCTTATCT
CCTTCCAAGGTGGGGGTGTTTGGAGGTGGAGGAGGCTTTCATATTCCGTGCC
ATGACCCCTCAAGGCGGGCCATTCTGTGTGCACCCTCCACCCCCAGT

FIG. 1

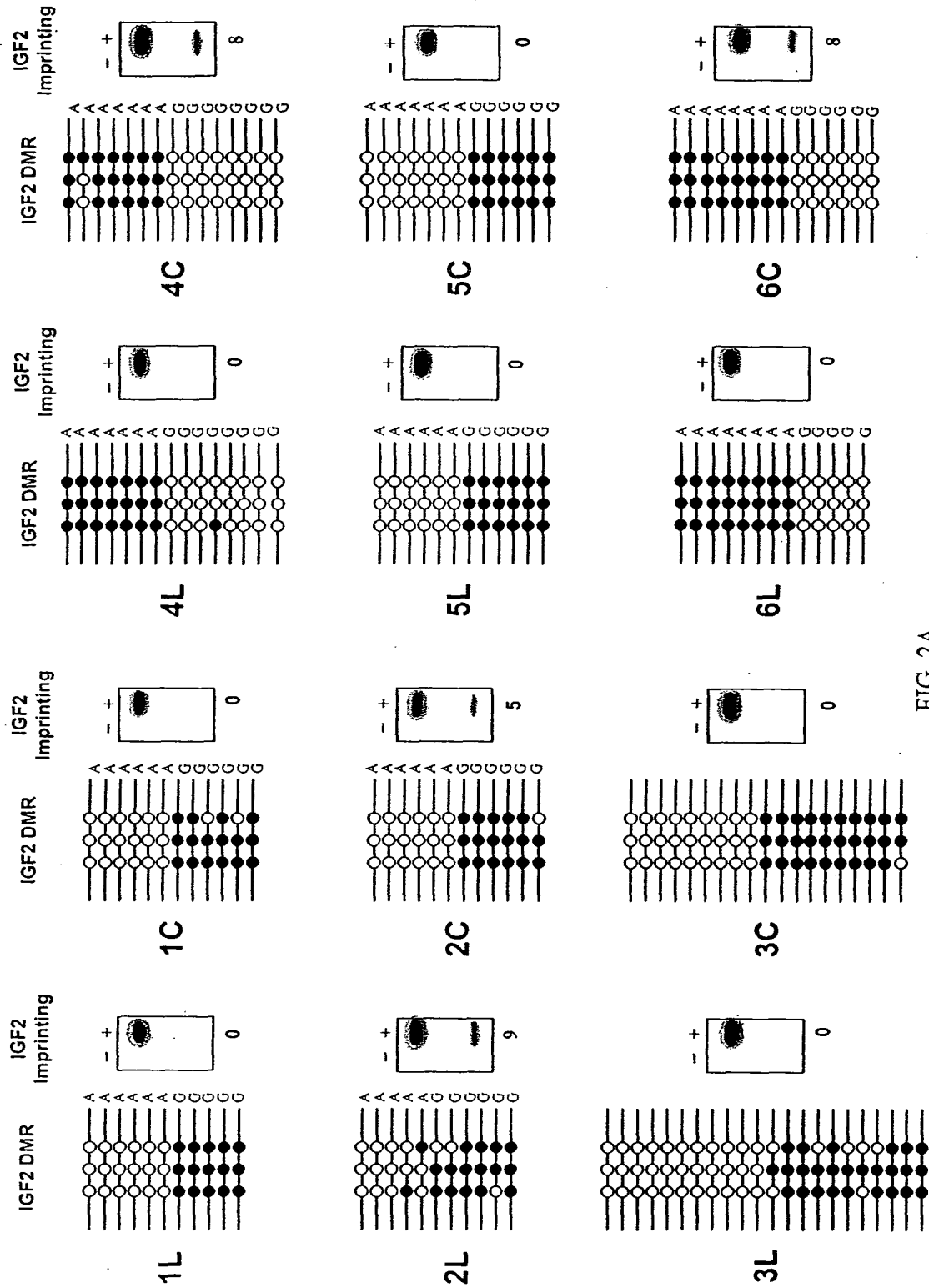


FIG. 2A

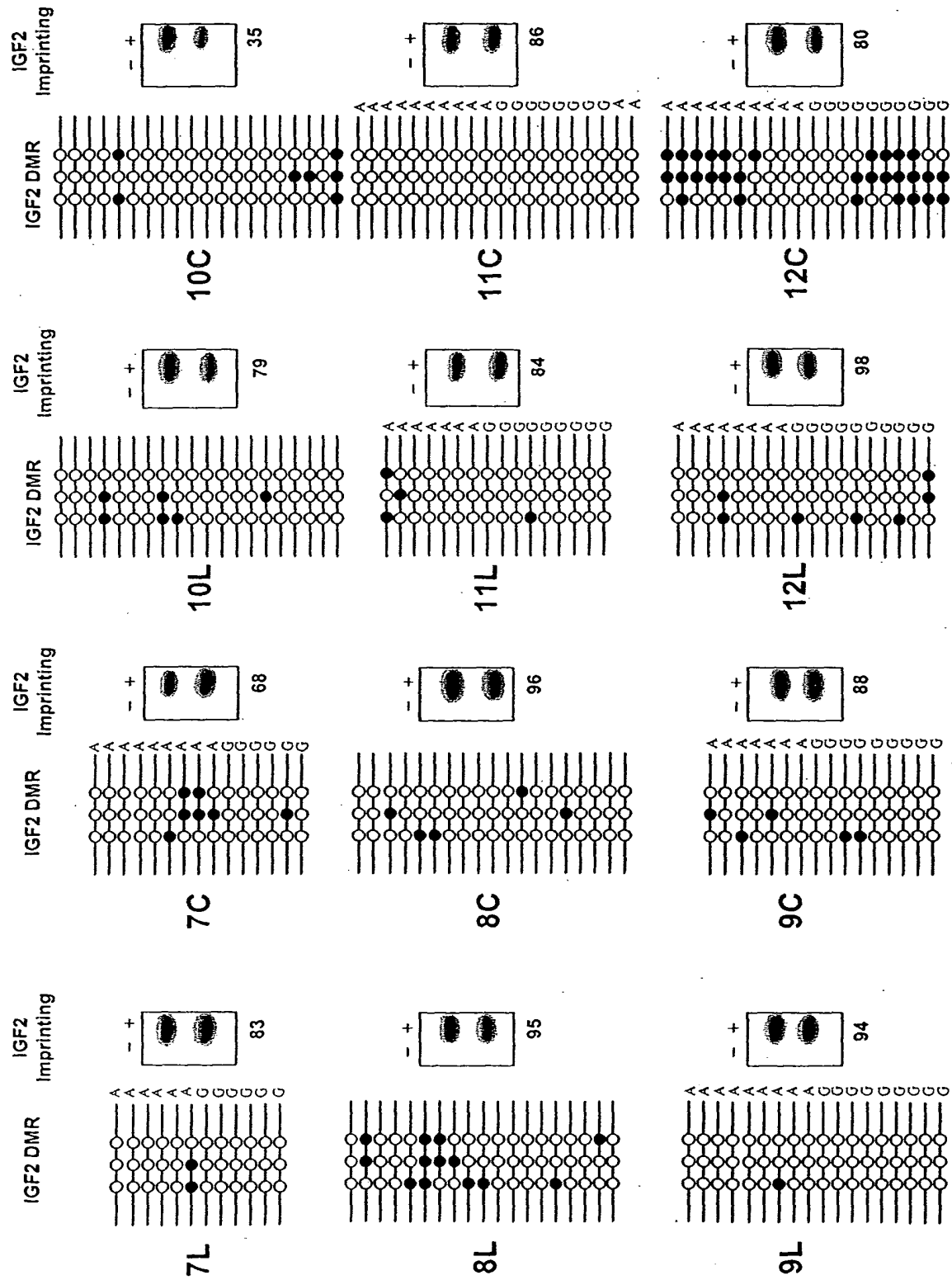


FIG. 2B

GCAACAGTGATGTAATCCTAGGAGCAATTTGAGGAGGTAAAAATCTTTC
 AGCCTCCAGATGTGTGACTCCATGACTCCTAAACCATAATTTCTAATCTGT
 GGCTAATTTGTTAGTCCTGAAAGTCTAGTCCCCAGGCAGGAAGAGGGTCT
 GTCCTGGGAAAGGGCTGTTATTGTCTTTGTTTCAAAGATAAACTATAAACT
 AAGTTCTTCCCAAAGTTAGTCCAGCCTGCACCCAGAAATGAATAAGAAGG
 CAAGACAGAGTTGGTTACGTCAGATCTCTTTCATTGTCATAATTTTCTGTT
 ATATATTTTTTTTTTTTTGAGACAGAGTTTCGCTCTTATCATCCAGGCTGGA
 GTCCAATGGCTCGATCTTGGCTCACTGCAACCTCCACCTCCGGAGTTCCAG
 TGATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGCGCCACCA
 CCATGCCCAGCTAATTTTTGTATTTTAGTAGAGATGGGATTTCTGTCAGGT
 TGGCCAGGTTGGTCTTGAACCTCCTGACCTCAGGTGATCCACCCACCTCGGC
 CTCCCAAAGTCTGCTGGGATTACAGGCATGAGCCACCATCGCCGGCCGATTT
 TCTGTAATAATTTTTGCAGAGGCGGTTTCACCAGGAGAACCAAGCATTA
 TGCCTGTGGCTGATGTGTAGTAGAGCGGCATTTCCCAATGGGAGAACCC
 TGGGGCTGTCTAGGAGCCCATGCATGGCTGGGAGCCTAATCCCAGGGACA
 CCACCGATGACAGCTCCCATAGCACGTAGGACAGTGGATACTTGGAGGCA
 AAGAGAAATCTCTGTTCTGCAGTGGTCATGACTTGGACCCCAAAGAACTT
 GAGCCCAAGGTCCAGAGGGAGACCCTCCCAACAAGGCCTCCAGCAGGAA
 CAGGGATCGTGGGAGCCTGCCAAGCACAGCGCACAGGTATTTCTGGAGGC
 TTCCCATTCAGTCTTGGATGCCAGCCTCACCAAGGGCGGCCCATCTTGCTG
 ACCTCACCAAGGGAGGCCCGTCTACTGCCCTGATGGCGCAGAATCGGCT
 GTACGTGTGGAATCAGAAAGTGGCCGCGCGGCGGCAGTGCAGGCTCACACA
 TCACAGCCCGAGCACGCCTGGCTGGGGTTACCCACAGAAACGTCCCAGG
 TCTCCCAGGCCAGGTGCCGCATTGGTTCCCGAGGGTTGTCAGAGATAGAC
 ACTCATGCGACTAACATCGGGCTATGTGTTTGATTACCCCCAGGGTGCATT
 GTTGAAGGTTGGGGAGATTGGAGGAGATGCTTGGGGGACAATGAGGTGTC
 CCAGTTCCTTGGATGATAGGGATCTCGGCCTAAGCGTGAGACCCCTCCTAC
 AGGGTCTCTGGCAGGCACAGAGCCTGGGGGCTCTTGTCATAGCACATGTGT
 ATTTCTGGAGGCTTCCCCTTCGGTCTCACCGCCCCGATGGTGCAGAATCGG
 TTGTAGTTGTGGAATCGGAAGTGGCCGCGCGGCGGCAGTGCAGGCTCCCA
 CATCACAGCTCAAGCCCGCCCCAGCTGAGGTTACCCGCGGAAACGTCCC
 GGGTCACGCAAGCTAGGTGCCGCAAGGTTACGGGGGTAGTGAGGGATA
 GAACACTCATGGGAGCCACATTGGGCTACGTGTCTGATTCACCCCAGGGT
 GCACTATTGAGGGTTGGGGAGATGAGATACTTTGGTGACAATGAGGTGTC
 CCCATTCTTTGGATGATGGGGATCTCGGCCTCAGCGTGAGGCCCTCCAC
 AGGGTCTCTGGCAGGCACAGAACTGGGGGCTCTTGCGTAGCACATGGGT
 ATTTGTGGACGCTTCCCCTTCTGTCTCACCAACCGGATGGCACAGAATCGG
 TTGTAAGTGTGGACTCAAAAGTGGCCGCGCGGCGGCAGTGCAGGCTCACA
 CATCACAGCCCAAGCCCTCCCTGGATGGGGTTCGCCCCGCGGAAACGTCT
 GGGTCACCCAAGCCAGGTGCCGCAGGGTTCTCGGAGGTCTTCTGGGAATA
 GGACGCTCATGGGAGCCACACCAGTCTTCGTATCGGGCCATATCCACGG
 CCGCGTGGCCCCAGGTACACTCTGAGGGCTTCAGTGTCATGGCCTGGGA
 CTCAAGTCACGCCTACCCGCGTGATGAGCACAGCAAATCCAACAAAAGC
 TTATACTTTCCACATCCATCCCAGAGCACAGATCCGACTAAGGACAGCCC

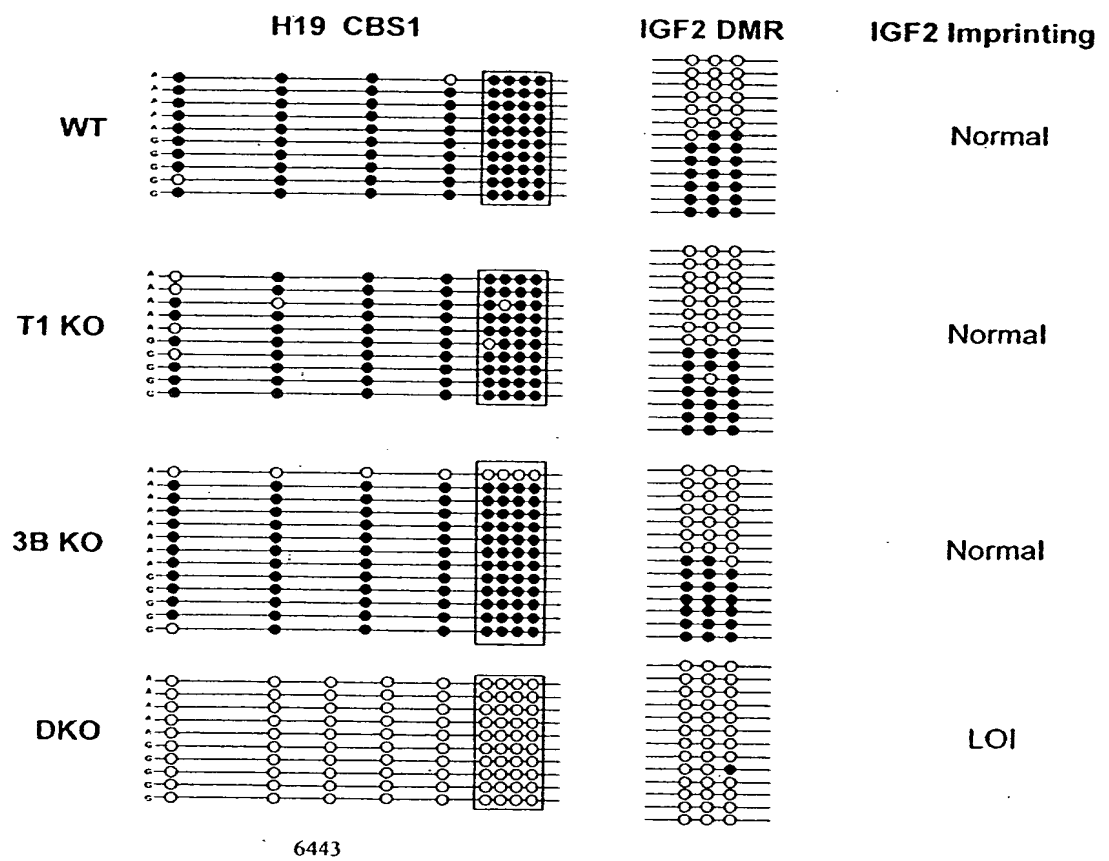
FIG. 3-1

CCAAATCCCGAGCCTTTTTCTGAACTGACAATTGCCTCCCCAGTGAACACT
 CTGAGCTTGTCAATCTTAAGTGGCCAGACATTAACATTCCCATTCAAGTGCA
 GGTTTGAGATGCTAATTTAGGAGCTTGAGATGCTAAAGAGCTGGGAGTGC
 CACTGCTGCTTTATTCTGGGGTCTAGGATCCTTGTGTTGGCTGAGATAATC
 TGCTAATGTGGGTGCAGCAGACATCCCGCGGTTTGTGGAATCGATAAAGG
 ATGGGGATCAATGGTGTGTTGTGCACTGTGCGGTCTGTGCCCAATTGCCTGC
 CTTGTGCTGTGGAATCTGTACACCTGGCCAACATGTGCTTGTGTGAGCCTG
 ACAGTGCATTTTCCAGAGCCTCACCTCGGCTCTGCCCTGGAGGCTCTGTGC
 TGCTGGAATCAGACTCAAGGACCTCATCAGAGGACCATGGCCCCGTATCA
 CCTGGGTCAGGCACTGAAGCTGGGACAGGAGAGCAGAGACTTCCAAAAT
 GAGGGATCCCTGTGTTCTGAGGTGATCATGACTGGGACCCAAGGACTCAA
 GCGCATGCTCCAGAGGGAATCGTTTCCCACAAGGCCTTTGGCAGGAACAG
 GGATCCTGGGAGCCTGCCAAGCAGAGCGCACAGTGTTTCTGGAGTCTCGC
 TGCCCAGATGCCACGGAATCAGTTGAAGGTATGGAAACACAGGTGGCCAC
 GTGGTAGCAGGGCAGGCTCAGGCGTCATAGCCCGAGCCCGGCTACCTGTG
 GTTTCCTGCAGAAACATCCCGGGTCAACAGGCCAGGCACCGCATTGGTT
 CGCGAGGGTTCATCGGGGGTAGGACCCTTGTACGAGCCACATCGGGCTACG
 TGCTGATTACCCCCAGGGTGCCTGTTGAAGGTGGGGAGATGAGAGGA
 GATACTTGGGGGACAGTGAAGTGTCCCCATTCTTTGGATGATGGGGATCT
 CGGCCTCAGCGTGAGACCCCTCCCACAGGGTCTCTGGCAGGCTCAAGAGC
 CCAGGGGCTCTTGATAGCACATGAATATTTCTGGAGGCTTCCCCTTCAGT
 CTCACACCCCGGATGGTGCAGAATTGGTTGTAGCTGTGGAATCGGAAGTG
 GCCGCGTGGCGGCAGTGCAGGCTCACACATCACAGCCCGAGCCCAACCCA
 GCTGGGGTTTCGCCC GCGGAAACGTCCCGGGTCCCGCAAGCCAGGCGCCGC
 AGGGTTCACGGGGGTCATCAGGGATAGGACATTCATGGGAGCCACATCGG
 GCTATGTGTCTGATTACCCCCAGGGTGCCTATTGAGGGTTGGGAAGATG
 AGAGGAGATGCTTGGGGGACAATGAAGTGTCCCCATTCTTTGGATGATGG
 GGATCTTGGCCTCAGGGTGAGATCCTTCTTGCAGGGTCTATGGCAGGCAC
 AGAGCCCGGGGGCTCTTGATAGCACATGTGTATTTCTGGAGGCTTCCCCT
 TCAGTCTCACCGCCCGGATGGCACGGAATTGGTTGTAGTTGTGGAATCGG
 AGGTGGCTGCGCGGCGGCAGTGCAGGCTCACACATCACAGCCCGAGCCCG
 CCCCAGCTGGGGTTTCGCCC GTGAAACATCCCAGGTCATCCAAGCCGGGC
 GCCACAGGGTTCACAGGGGTCGTGAGGTATAGGACACTCATGGGAGCCAT
 ATCGGGCTACGTGTCTGATTACCCCCAGGGTGCCTGTTGAAGGTGGGG
 AGATGGGAGGAGATACTAGGGGAACAATGAGGTGTCCCAGTTCCATGGAT
 GATGGGGATCTCGGCCCTAGTGTGAAACCCTTCTCGCAGGGTCTCTGGCA
 GGCACAGAGCCCGGGGGCTCTTGATAGCACATGGGTATTTCTGGAGGCT
 TCTCCTTCGGTCTCACCGCCTGGATGGCACGGAATTGGTTGTAGTTGTGGA
 ATCGGAAGTGGCCGCGCGGCGGCAGTGCAGGCTCACACATCACAGCCCGA
 GCCCGCCCAACTGGGGTTTCGCCC GTGAAACGTCCCGGGTCAACCAAGC
 CACGCGTCGCAGGGTTCACGGGGGTCATCTGGGAATAGGACACTCATAGG
 AGCCGCACCAGATCTTCAGGTCGGGCATTATCCACAGCCCCGTGGCCCCG
 GGTCACACTCCGAGGGCTTCAGTGTGATGGCCTGGGACTCAAGTCACGCC
 TACTTATGTGATGATCACAGTGTGTTCCACCAAATCTTACATTTCCACA

FIG. 3-2

TCTATCCCAGAGCACAGCTCCGACTCCGTCTAAGGACAGCCCCCAAATCC
CCAGCCTTTTACTGAACTGACAATTGCCTCCCCAGTGAACACTCTGATCTC
CTCAGCCCTAAGTGGCCAGACATTAACATTCTCATTCAATGCAGGTTTGAG
GTGCTAATTCAGGAGCTTAAGATGCTAAAGAGCTGGGAGCGCCACTGCTG
CTTTATTCTCTGGTCCAGGATCCTTGTGTTGCTGGAGATAATCCATTATCGT
GGGTGCAGCAGACACCCTGCGGCTTGTGGACTCGGTACGGGGTGGGGATC
CTGATGGGGTTAGGATGTTTCGATGGCTCGGGTGTGCTCCACGCTCAGGGA
TCATCACGTCCGGCCGGCGGTAGTTGGCACGTGGAGAGGTGAATTTGCCC
ACAGGTGTTCCCCGTGCCTGCGCATTGCTGGCAGCACGACCGGATCCTGT
GCTAGCCCCCTCCCACAATGCCTGGAGCAGGAGCGAGGGGCCTGGGGAGCC
GCCTTGCCTGGAGCATTGTATTTCCGGAGTATTTCTGAGTCTCCCCTTG
GGTCTTGGGTGCTGTCCCCAGTGAGCCCATCTCCAGCGATGGCACAGAA
TCGGTTGTGGCTGTGGAGACGGAAATGGCCGAGAGGCGGCAGTGGTGACT
CACATCACAGTCTGAAGGTGACCCAAGGCTGGACTCCACTTTTAGCAAAA
TGTGGGGGTCTGCCTTGGTCTCCTAACTTGGGGGTCCACTCATGGAAAAGC
CTGAGAATTTTCATGCCATGGAAATCCCCCATGTCGTGGGGTTCACGCAC
GACAAAGCCCCGGCGGTTCAGTGCTCAGCAGGCAAGCACTCAGCCCTTTCCG
GTGGGGCCATGGGAACAGAGGGTTTGCCGAAGGCGCGGCCAGCCCTTCCA
CATCCCAGAGGGCCTGCTGCGTGATTGGACCCGTGAACTCTGGGTCCCTTG
GCCCTGGTGCTCCCCTTCACGGCTTTGACACTCGAGACTTGAGGTGAACCC
CAGGGACTGCAGGGCCCCAACAAACCCTCACCAAAGGCCAAGGTGGTGAC
CGACGGACCCACAGCGGGGTGGCTGGGGGAGTCGAACTCGCCAGTCTCC
ACTCCACTCCCAACCGTGGTGCCCCACGCGGGCCTGGGAGAGTCTGTGAG
GCCGCCCACCGCTTGTCAGTAGAGTGCGCCCGGAGCCGTAAGCACAGCC
CGGCAACATGCGGTCTTCAGACAGGAAAGTGGCCGCGAATGGGACCGGG
GTGCCCAGCGGCTGTGGGGACTCTGTCTGCGGAAACCGCGGTGACGAGC
ACAAGCTCGGTCAACTGGATGGGAATCGGCCTGGGGGGCTGGCACCGCGC
CCACCAGGGGGTTTGCGGCACTTCCCTCTGCCCCTCAGCACCCACCCCTA
CTCTCCAGGAACGTGAGTTCTGAGCCGTGATGGTGGCAGGAAGGGGCCCT
CTGTGCCATCCGAGTCCCCAGGGACCCGCAGCTGGCCCCCAGCCATGTGC
AAAGTATGTGCAGGGCGCTGGCAGGCAGGGAGCAGCAGGCATGGTGTCC
CCTGAGGGGAGACAGTGGTCTGGGAGGGAGAAGTC

FIG. 3-3



6443

FIG. 4

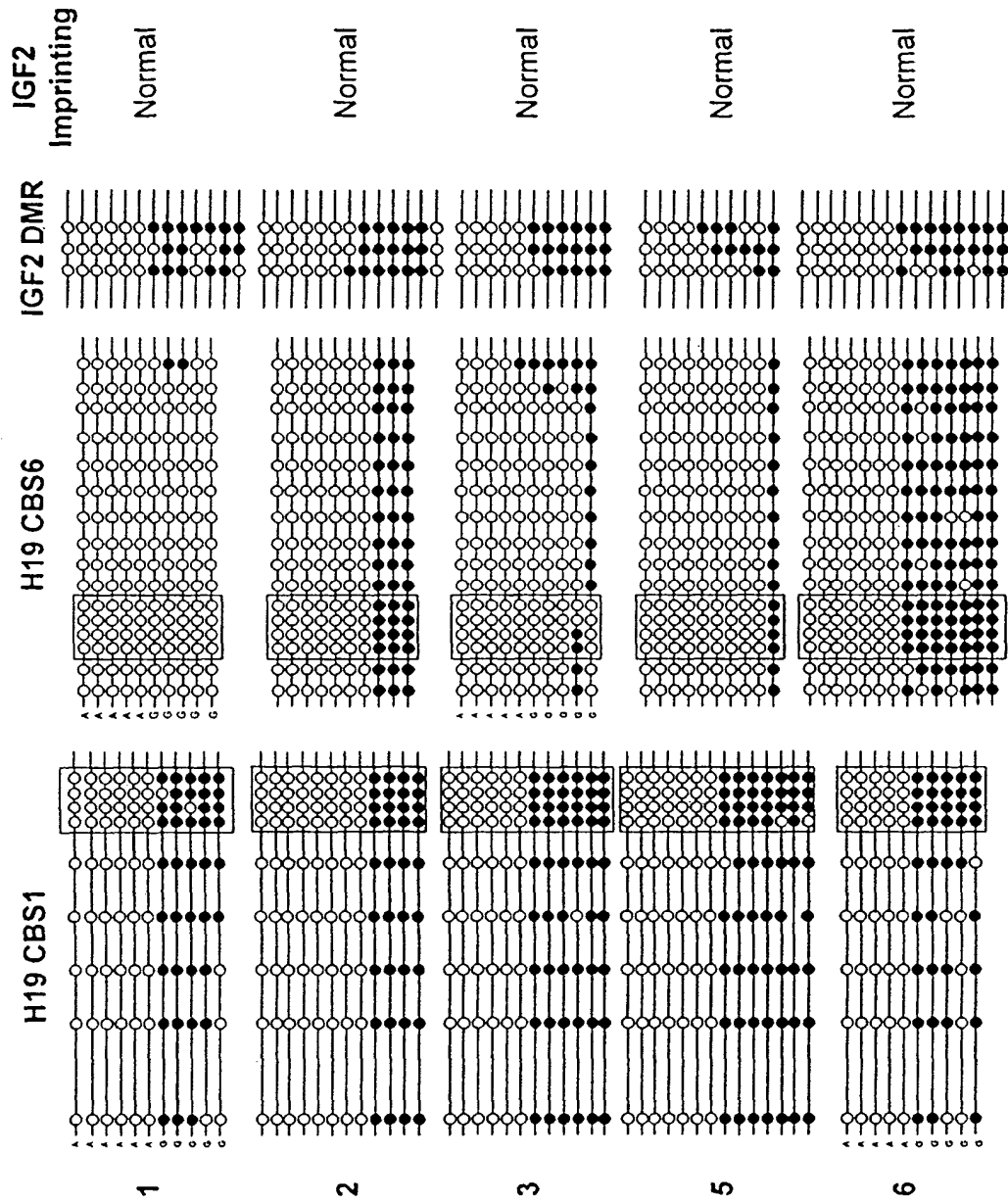


FIG. 5

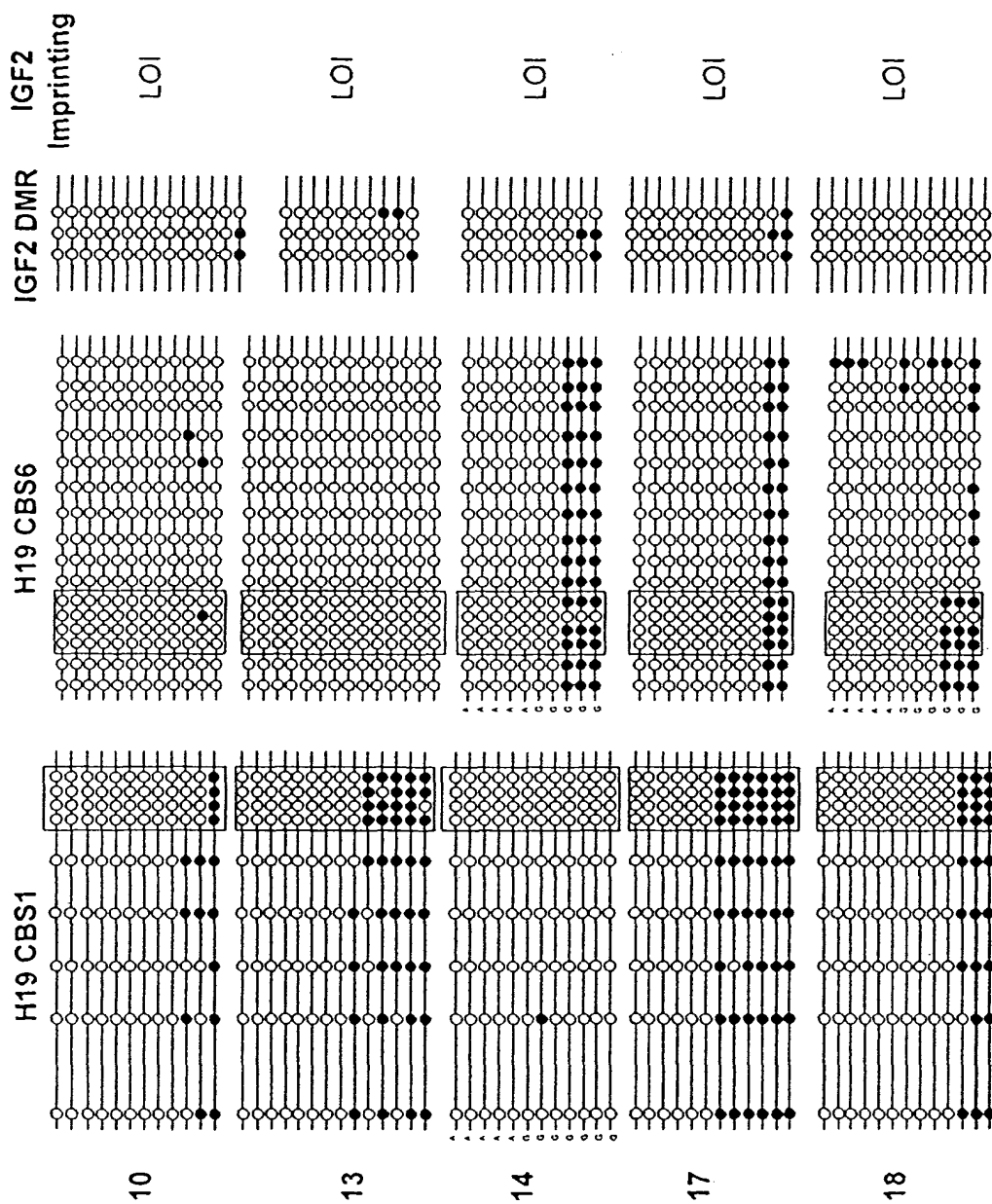


FIG. 6